Olerup SSP® HLA-B*55

Product number:	**101.570-06 – including *Taq* polymerase** **101.570-06u – without *Taq* polymerase**
Lot number:	**65R**
Expiry date:	**2015-June-01**
Number of tests:	**6**
Number of wells per test:	**32**

CHANGES COMPARED TO THE PREVIOUS HLA-B*55 LOT (04N):

Well	5'-primer	3'-primer	rationale
9	-	Modified	Increased yield of HLA-specific PCR product.
10	Exchanged	-	Improved allelic resolution.
18	-	Modified	Increased yield of HLA-specific PCR product.
20	Moved	Moved	One primer pair moved to well 25, to decrease primer oligomer formation.
25	-	Added, moved	One added 3'-primer from well 20, one 3'-primer moved to well 30 for improved allelic resolution.
29	-	Added	3'-primer added for the B*55:55N allele.
30	Added	Added	Primer pair from well 25.
32	New	New	New primer pair for the B*55:50 allele.

THE NUMBER OF WELLS is increased from 31 to 32.

ALLELE COVERAGE:
B*55:01 to B*55:57, i.e. all the currently recognized and released HLA-B*55 alleles, will be amplified by the primers in the HLA-B*55 SSP kit[1]; www.ebi.ac.uk/imgt/hla, 2012-October-17, release 3.10.0.

The HLA-B*55 kit enables separation of the confirmed HLA-B*55 alleles as listed in the IMGT/HLA database. An HLA allele is listed as confirmed by IMGT/HLA if it has been sequenced by more than a single laboratory or from multiple sources.

The HLA- B*55 kit also enables identification of polymorphisms in exons outside of the region encoding the peptide binding domain and of null and alternatively expressed alleles

The HLA-B*55 subtyping kit cannot separate the silent mutations in the B*55:01:01-55:01:06 and 55:01:08-55:01:10 alleles or the *55:02:01-55:02:06 alleles.

[1]The HLA-B*55 primer set cannot separate the B*55:07 and the B*54:01:02 alleles. These alleles can be distinguished by the HLA-B low resolution kit and/or the HLA-B*54 high resolution kit.

RESOLUTION IN HLA-B*55 HOMO- AND HETEROZYGOTES:
The B*55:01,55:01, B*55:01,55:02 and B*55:02,55:02 genotypes give rise to unique amplification patterns with regard to confirmed HLA-B*55 alleles.

INFLUENCE ON THE INTERPRETATION OF HLA-B*55 SUBTYPINGS BY NON-HLA-B*55 ALLELES:
None frequently occurring.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:
3'-primers in primer mixes 9 and 18 have been modified for increased yield of HLA-specific PCR product.